

# CD279 (PD-1) Monoklonaler Antikörper

Katalog-Nr.: APC-65119

## Allgemeine Informationen

Katalog-Nr.:  
APC-65119

Größe:  
100 tests, 5 µl/test

Wirt:  
Maus

Isotyp:  
IgG1

GenBank-Zugangsnummer:  
BC074740

GeneID (NCBI):  
5133

Vollständiger Name:  
programmed cell death 1

Berechnete Masse:  
288 aa, 32 kDa

Reinigungsmethode:  
Affinitätsreinigung

CloneNo.:  
J110

Anregungs-/Emissionsmaxima-  
Wellenlängen:  
650 nm / 660 nm

## Anwendungen

Geprüfte Anwendungen:  
FC

Getestete Reaktivität:  
Human

## Hintergrundinformationen

Programmed cell death 1 (PD-1, also known as CD279) is an immunoinhibitory receptor that belongs to the CD28/CTLA-4 subfamily of the Ig superfamily. It is a 288 amino acid (aa) type I transmembrane protein composed of one Ig superfamily domain, a stalk, a transmembrane domain, and an intracellular domain containing an immunoreceptor tyrosine-based inhibitory motif (ITIM) as well as an immunoreceptor tyrosine-based switch motif (ITSM) (PMID: 18173375). PD-1 is expressed during thymic development and is induced in a variety of hematopoietic cells in the periphery by antigen receptor signaling and cytokines (PMID: 20636820). Engagement of PD-1 by its ligands PD-L1 or PD-L2 transduces a signal that inhibits T-cell proliferation, cytokine production, and cytolytic function (PMID: 19426218). It is critical for the regulation of T cell function during immunity and tolerance. Blockade of PD-1 can overcome immune resistance and also has been shown to have antitumor activity (PMID: 22658127; 23169436).

## Lagerung

Lagerungsbedingungen:

Store at 2-8°C. Avoid exposure to light. Stable for one year after shipment.

Lagerungspuffer:

Phosphatbasierter Puffer mit 0,09% Natriumazid und 0,1% Gelatine, pH 7,2.

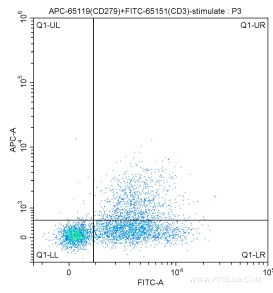
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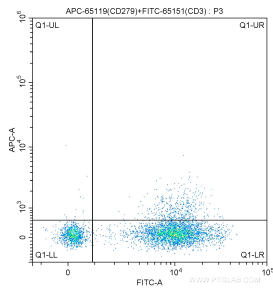
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## Ausgewählte Validierungsdaten



1X10<sup>6</sup> PHA-stimulated (5 µg/mL, overnight) human peripheral blood lymphocytes were surface stained with 5.00 µl APC Anti-Human CD279 (PD-1) (APC-65119, Clone: J110) and FITC Anti-Human CD3 (FITC-65151, Clone: UCHT1). Cells were not fixed.



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